

## ABSTRACT OF THE DISCLOSURE

[0037] A locking mechanism that allows a live bolt lock plate and a primary vertical lock plate to move relative to one another irrespective of the plates connection with a drive mechanism is provided. The drive mechanism includes first and second gears and is used to move the locking mechanism between locked and unlocked positions. The live bolt lock plate has a slot defined therein and is engaged with the first gear of the drive mechanism. The primary lock plate is engaged with the second gear of the drive mechanism and has a guide pin mounted thereon. The guide pin is positioned within the slot to slidingly couple the live bolt lock plate and the primary lock plate, in addition to their connection with the drive mechanism. A tumbler stack is associated with the primary lock plate for selectively allowing the primary locking plate to be moved to the unlocked position.